

METRIC

MIL-E-82903(OS)  
AMENDMENT 1  
21 April 1999

## MILITARY SPECIFICATION

### EXPLOSIVES, HNS-IV AND HNS-V

This Amendment forms a part of MIL-E-82903(OS), dated 30 December 1994, and is approved for use within the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

#### GENERAL

In the following paragraphs add “and HNS-V” after HNS-IV:

- 1.1
- Table I, Footnote 2
- 4.5.2.1, title and first sentence
- 4.6.5, first sentence
- 4.6.6, title
- 4.6.7, title
- 5.1, title
- 6.8.

In the following paragraphs add “or HNS-V” after HNS-IV:

- 3.3
- Table I, Footnotes 4 and 7
- 4.6.5, second sentence
- 4.6.6, first sentence
- 4.6.6.1b
- 4.6.6.2
- 4.6.6.2a
- 4.6.6.2g
- 4.6.6.4a
- 4.6.7.4a
- 4.6.7.4c
- 4.6.7.5d
- 4.6.8

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4.6.9  
5.1, (2 places)  
6.1, last sentence.

PAGE 1

Box in upper right corner: Delete “INCH-POUND” and replace with “METRIC”.

Title: Delete and replace with “EXPLOSIVES, HNS-IV AND HNS-V”.

Beneficial comments box: Delete “Code 8420” and replace with “Code 840M”.

PAGE 2

Paragraph 3.1:

Delete “**3.1 Description.**” and replace with:  
“**3.1 Description.**”

**3.1.1 HNS-IV.”**

Add:

“**3.1.2 HNS-V.** In addition to meeting the HNS-IV requirements and specifications described in 3.1.1, HNS-V shall undergo subsequent washings with dioxane to reduce or eliminate the residual dimethylforamide (DMF) content.”

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Table I:

Footnote 5: Add to end of sentence: “and in the HNS-V processing shall be present in less than 0.1 percent.”

Footnote 6: Add “For HNS-V, only dioxane shall be used as the wash solvent and shall be present in less than 0.1 %.” after first sentence.

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Paragraph 4.6.6.4:

Change designation of second item “g” (which follows item h) to “i” and add “or HNS-V” after HNS-IV in first sentence.

Add “or HNS-V, as applicable” to end of last sentence.

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Paragraph 4.6.7: Add “and for a chromatographic analysis of DMF and dioxane solvent used in the preparation of HNS-V” to end of paragraph.

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Paragraph 6.1, second and third sentences: After “HNS-IV” delete “is” and replace with “and HNS-V are”.

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Paragraph 6.2: Add “j. Whether HNS-IV or HNS-V is required (see 3.1).”

Preparing Activity:  
Navy - OS  
(Project 1376-0070)